

Amendments to the Specification

Please amend Paragraph [0024] as follows:

[0024] When a customer seeks to transmit a broadband signal, computer 116 transmits a signal to broadband modem 114. Broadband modem 114 will generate a modem transmit signal. Broadband modem ~~112~~ 114 transmits the modem transmit signal to POTS splitter 112. Modem transmit signal is coupled to communications path 115 by POTS splitter 112. Communications path 115 carries the modem transmit signal to central office 120, where POTS splitter 122 couples the modem transmit signal to broadband modem 124. Broadband modem 124 receives the modem transmit signal, processes the modem transmit signal and transmits information in the signal to router 126. Router 126 then routes the information contained in the modem transmit signal to Internet 140.

Please amend Paragraph [0046] as follows:

0046 *yr 8/4*
[0048]

The turns ratio of first linedriver coil 511 and second ~~line driver~~ linedriver coil 513 to first line coil 514 and second line coil 517 is 1:N. The turns ratio of first receive coil 518 and second receive coil 519 to first line coil 514 and second line coil 517 is M:N. In one embodiment, $M=N=4.25$. M and N can be varied depending on the relative attenuation and gain desired for the modem receive and transmit signals.